

01-11-2006



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To the Director of the U.S. Patent and Trademark Office: Please record ...

documents or the new address(es) below.

**1. Name of conveying party(ies)**

Kleers, Udi; Goldman, Jerry.

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Name: EMC Corporation

Internal Address: \_\_\_\_\_

Street Address: 176 South Street

City: Hopkinton

State: Ma

Country: USA Zip: 01748

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 11/1/2005

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

11/211,250

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Carl A. Giordano

Internal Address: EMC Corporation

Street Address: 44 South Broadway, 7th Flr.

City: White Plains

State: NY Zip: 10601

Phone Number: 914 798 8505

Fax Number: 914 948 6270

Email Address: giordano\_carl@emc.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 05-0889

Authorized User Name Carl A. Giordano

**9. Signature:**

January 5, 2006

Date

01/10/06 DBYRNE 00000258 050889 11211250

Signature

01 FC: 021 40.00 DA Carl A. Giordano

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

7

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Express Mail Mailing Label No. \_\_\_\_\_

### ASSIGNMENT

**WHEREAS**, we, Udi Kleers, and Jerry Y. Goldman have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled

*Method and Apparatus for Configuration and Analysis of Network Multicast Routing Protocols*

the specification of which:

- is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on **August 25, 2005** as U.S. Application No. **11/211/250**;
- was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

**WHEREAS**, EMC Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with us;

**NOW, THEREFORE**, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

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AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date: November  
October 1, 2005

UDI  
\_\_\_\_\_  
Inventor's Signature

Print full name of first inventor: **UDI KLEERS**  
Residence: 295 Nob Hill Drive, Elmsford, NY 10523, USA  
Citizenship: **Israel**  
Mailing Address: Same as above

STATE/~~COMMONWEALTH~~ OF New York  
COUNTY OF Westchester

Then personally appeared before me the above-named EHUD  
KLEERS and acknowledged that he/she executed the  
foregoing instrument as his/her free act and deed this 1<sup>st</sup> day of November, 2005.

Lawrence R. Gallo, Jr.  
\_\_\_\_\_  
Notary Public

Print Name: Lawrence R. Gallo, Jr.  
My Commission expires 04/30/2009

**LAWRENCE R. GALLO, JR.**  
Notary Public in the State of New York  
No. 60-1365200  
Residing in Rockland Co. at time of Appointment  
My Commission Expires March 30, 2009  
July 31 2009

Express Mail Mailing Label No. \_\_\_\_\_

Date: November  
October 1, 2005

<sup>a</sup> Jerry Goldman  
Inventor's Signature

Print full name of second inventor:

**JERRY Y. GOLDMAN**

Residence:

7 Maplewood Lange, New City, NY 10956 USA

Citizenship:

USA

Mailing Address:

Same as above

STATE/~~COMMONWEALTH~~ OF New York  
COUNTY OF Westchester

Then personally appeared before me the above-named Jerry Goldman and acknowledged that he/~~she~~ executed the foregoing instrument as his/her free act and deed this 1<sup>st</sup> day of November, 2005.

Lawrence R Gallo, Jr.  
Notary Public

Print Name: Lawrence R Gallo, Jr.

My Commission expires July 31<sup>st</sup> 2009

**LAWRENCE R. GALLO, JR.**  
Notary Public in the State of New York  
No. 60-1365200  
Residing in Rockland Co. at time of Appoint.  
My Commission Expires March 30, 2009  
NY 312009